

WE CLAIM

CLAIMS:

1. A method of determining abnormality in a tissue sample containing cells of the cervix, the method comprising determining binding of specific binding substances to the sample and comparing the binding with the pattern of binding of said specific binding substances to a normal cervical cell sample.

2. A method according to claim 1 wherein the specific binding substances include one or more polypeptides each comprising an immunoglobulin antigen binding domain.

3. A method according to claim 2 wherein the specific binding substances include one or more polypeptides each comprising the immunoglobulin antigen binding domain obtainable from a hybridoma selected from those deposited at the European Collection of Animal Cell Cultures (ECACC), Centre for Applied Microbiology & Research, Salisbury, Wiltshire SP4 0JG, United Kingdom on 6 February 1995 under the accession numbers ECACC 95020718, 95020716, 95020720, 95020717 and 95020719.

4. A method according to claim 1 or claim 2 wherein the specific binding substances include one or more such substances which compete for binding to cervical tissue with one or more antibodies obtainable from a hybridoma selected from those deposited at the European

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Collection of Animal Cell Cultures (ECACC), Centre for Applied Microbiology & Research, Salisbury, Wiltshire SP4 0JG, United Kingdom on 6 February 1995 under the accession numbers ECACC 95020718, 95020716, 95020720, 5 95020717 and 95020719.

5. A hybridoma selected from those deposited at the European Collection of Animal Cell Cultures (ECACC), Centre for Applied Microbiology & Research, Salisbury, 10 Wiltshire SP4 0JG, United Kingdom on 6 February 1995 ECACC 95020718, 95020716, 95020720, 95020717 and 95020719.

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6. Use of a hybridoma of claim 4 and/or 15 immunoglobulin antigen binding domain obtainable therefrom in the obtention of one or more specific binding substances of use in assessment of the state or condition of cervical cells in a tissue sample.

20 7. A specific binding substance including an immunoglobulin antigen binding domain obtainable from a hybridoma selected from those deposited at the European Collection of Animal Cell Cultures (ECACC), Centre for Applied Microbiology & Research, Salisbury, Wiltshire 25 SP4 0JG, United Kingdom on 6 February 1995 under the accession numbers ECACC 95020718, 95020716, 95020720, 95020717 and 95020719.

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8. A specific binding substance which competes for

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binding to cervical tissue with a specific binding substance according to claim 6.

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- SUB A2*
9. Use of a specific binding substance according to claim 6 or claim 7 for assessment of the nature or condition of cells of the cervix in a tissue sample.